

Naturalment Webs

Encode

Division of Genome Sciences

Centers of Excellence in Genomic Science

Division Staff

ENCODE Project

Functional Analysis Program

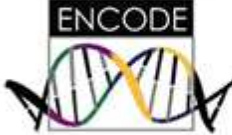
Genetic Variation Program

Genome Informatics and Computational Biology Program

Genome Technology Program

NHGRI Genome Sequencing Program (GSP)

The ENCODE Project: ENCyclopedia Of DNA Elements



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ENCODE Overview

The National Human Genome Research Institute (NHGRI) launched a public research consortium named ENCODE, the **Encyclopedia Of DNA Elements**, in September 2003, to carry out a project to identify all functional elements in the human genome sequence. The project started with two components - a pilot phase and a technology development phase.

The pilot phase tested and compared existing methods to rigorously analyze a defined portion of the human genome sequence (See: [ENCODE Pilot Project](#)). The conclusions from this pilot project were published in June 2007 in *Nature* and *Genome Research* [genome.org]. The findings highlighted the success of the project to identify and characterize functional elements in the human genome. The technology development phase also has been a success with the promotion of several new technologies to generate high throughput data on functional elements.

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See Also:
[Identification and analysis of functional elements in 1% of the human genome by the ENCODE pilot project](#)
Nature, June 13, 2007

[Major Findings from The ENCODE Pilot Project](#)
June 2007

[The modENCODE Project](#)
[Grants Home](#)

On Other Sites:
[The ENCODE \(ENCyclopedia Of DNA Elements\) Project](#), *Science*, October 22, 2004

[Nature ENCODE explorer](#)
Sept. 5, 2012

ENCODE Resources:
[ENCODE Web Focus](#)
Related articles on ENCODE from *Nature*

[Special Issue on ENCODE from *Genome Research*](#)
June 2007


[Ensembl](#)

[NIH Intramural Sequencing Center \(NISC\)](#)

[Gene Expression Omnibus \(GEO\)](#)

<http://www.genome.gov/10005107>

Pàgina de l'Encode dins el National Human Genome Research Institute.



Encyclopedia of DNA Elements

General

Resources & FAQ

Publications

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Human

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Experiment Matrix

Search

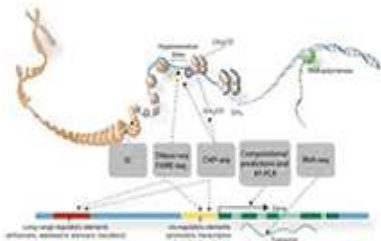
Genome Browser (hg19)

Integrative Analysis

Session Gallery

About ENCODE Data

The Encyclopedia of DNA Elements (ENCODE) Consortium is an international collaboration of research groups funded by the National Human Genome Research Institute (NHGRI). The goal of ENCODE is to build a comprehensive parts list of functional elements in the human genome, including elements that act at the protein and RNA levels, and regulatory elements that control cells and circumstances in which a gene is active.



ENCODE data are now available for the entire human genome. **All ENCODE data are free and available for immediate use via:**

- [Search](#) for displayable tracks and downloadable files
- [Download](#) of data files
- [Visualization](#) in the UCSC Genome Browser (ENCODE data marked with the NHGRI logo)
- [Data mining](#) with the UCSC Table Browser and other [UCSC Genome Bioinformatics tools](#)

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To search for ENCODE data related to your area of interest and set up a browser view, use the UCSC [Experiment Matrix](#) or [Track Search tool](#) (Advanced features). The [Experiment List \(Human\)](#) and [Experiment List \(Mouse\)](#) links provide comprehensive listings of ENCODE data that is released or in preparation.

All ENCODE data is freely available for download and analysis. However, before publishing research that uses ENCODE data, please read the [ENCODE Data Release Policy](#), which places some restrictions on publication use of data for nine months following data release. [Read more](#) about ENCODE data at UCSC.

<http://encodeproject.org/ENCODE/>

Pàgina oficial sobre el projecte ENCODE.





<http://www.nature.com/encode>

Pàgina de la revista Nature sobre ENCODE en la que hi podem trobam el conjunt d'articles publicats en el moment de la presentació dels primers resultats del projecte ENCODE, a les revistes *Nature*, *Genome Research* i *Genome Biology*.

